

Government of India
Ministry of Shipping, Road Transport & Highways
(Department of Road Transport & Highways)

Parivahan Bhavan, 1, Sandad Marg
NEW DELHI – 110 001

NH-12014/6/2004/Ar.P/NH-10

Dated the 11th October, 2004

To

The Commissioner (PWD),
Govt. of Arunachal Pradesh,
ITANAGAR – 791 111

Sub: Construction of 26 RCC Slab culverts in the stretch from 56/0 to 62/0 on NH-153, in Arunachal Pradesh.

(Job No. 0153 Ar.P.-2004-05-007)

Ref: Letter No. CEAP(EZ)/WTC-10(MOST-NH)-2003-04/9933-36 dt. 25.03.2004
from the Chief Engineer, Eastern Zone, PWD, Arunachal Pradesh.

Sir,

I am directed to convey the administrative approval, technical approval and financial sanction of the President to the estimate for the work mentioned above as per the following details and subject to the conditions stipulated in the attached technical note.

- | | | |
|-------|--|-----------------|
| (i) | Amount as indicated in the estimate submitted by the State PWD | Rs. 244.00 Lakh |
| (ii) | Amount as modified by the Ministry | Rs. 244.00 Lakh |
| (iii) | Amount of administrative approval & technical approval (inclusive of agency charges @9%) | Rs. 244.56 Lakh |
| (iv) | Amount of financial sanction | Rs. 244.56 Lakh |
- (Rupees Two Crore Forth Four Lakhs and Fifty Six Thousand only).**

2. This sanction is further subject to the following conditions:

- (i) There should not be any change or enlargement of the scope of work or specification approved under the sanction.
- (ii) The work should be completed as per phasing indicated below.

Year	Cumulative Progress	
	Physical (%)	Financial (Rs. Lakh)
2004-2005	25	30.00
2005-2006	60	150.00
2006-2007	100	244.56

(iii) In accordance with the orders contained in this Ministry's Circular letter No. RW/NH-11026/2/99-US(D-I) dated 13.01.2000, if the cost of tender exceeds 5% of the sanctioned estimated cost, the work should be got de-sanctioned and fresh estimate be got sanctioned from the Ministry.

(iv) On completion 50% work, if the appraisal of the project shows that it will necessitate revision of the estimate based on physical completion of the project vis-à-vis financial expenditure, immediate action should be taken to submit the revised estimate so as to ensure that the sanctioned revised estimate is available before necessity for incurring expenditure beyond permissible limit arises;

(v) The expenditure during the current financial year on this work and on other sanctioned works should not exceed the allotment placed at the disposal of the State Government during the year.

(vi) As per Ministry's Circular No. NH-15015/29/2001-PL dated 5.7.2001, the work should be awarded within 5 months. If the work is not awarded within the said period, it will lead to de-sanction of work.

3. The expenditure is debitible under the Major Head – 5054 Capital Outlay on Roads & Bridges (Major Head) 01 – National Highway (Sub Major Head), 01.337 Road Works (Minor Head) 01 – Works under Roads Wing, 01.02 Other Schemes, 01.02.53 – Major works for which the corresponding Demand Number for the financial year 2004-2005 is '79' – Ministry of Road Transport and Highways.

4. Quarterly progress reports in the stipulated proforma may be sent to this Ministry as is required for all sanctioned works.

5. The administrative approval, technical approval and financial sanction shall lapse after six months from the date of its issue in case the work is not commenced within that period.

6. This sanction issues with the concurrence of the Financial Division vide their U.O. No. 1033/TF-II/2004 dt. 20.09.2004.

Yours faithfully,

(D.P. Singh)

Desk Officer (P-10)

Tele: 23717444

Encl: As above.

Copy, with a copy of the technical note forwarded to:-

1. The Chief Engineer (NH) PWD (Eastern Zone), Arunachal Pradesh – 791 111 (a copy of the approved estimate is also enclosed)
2. The Regional Officer, Ministry of Road Transport & Highways, Rajgarh Road, Guwahati – 781 003.
3. The Accountant General, Arunachal Pradesh – 791 111.
4. The Pay and Accounts Officer, M/o Road Transport & Highways, Jam Nagar House, IDA Building, New Delhi.
5. The Regional Pay and Accounts Officer, (NH) M/o Road Transport & Highways, Krishikeshayan, Hriday Ranjan Path, 6th Byelane (W) R.G. Baruah Road, Guwahati – 781 003.
6. The Principal Director of Audit, Economic & Services Ministries, A.G.C.R. Building, New Delhi – 110 002.

(D.P. Singh)

Desk Officer (P-10)

Copy also forwarded to:-

1. P.S. to Ministry SRT&H.
2. CE(P-10)/SE(P-10)-II/SE(PL)SE (Mon)/EE-(P-10)-II/TF-II Section/ Guard File.

(D.P. Singh)

Desk Officer (P-10)

GOVERNMENT OF INDIA
MINISTRY OF ROAD TRANSPORT & HIGHWAYS

No: NH/12014/6/2004/Ar.P./NH-10

New Delhi, October 11, 2004.

TECHNICAL NOTE

- | | | | | |
|----|----------------|---|---|--|
| 1. | Name of works | : | Construction of 26 RCC slab culverts in the stretch from Km 56/0 to 62/0 on NH 153, in Arunachal Pradesh.
(Job No. 153 Ar.P.2004-05-07) | |
| 2. | State | : | Arunachal Pradesh | |
| 3. | NH No | : | 153 | |
| 4. | Estimated cost | : | As forwarded by State
<u>PWD</u>
244.00 | As modified in the
<u>Ministry</u>
244.56 |
| 7. | Reference | : | Letter No. CEAP(EZ)/WTC-10 (MOST-NH) - 2003 – 04 /9933-36 dated 25 th March 2004 from the Chief Engineer, Eastern Zone, PWD Arunachal Pradesh, Itanagar. | |

COMMENTS

1. Scope of work:

Construction of twenty-six RCC slab culverts at various locations in the stretch from Km 56/0 to 62/0 on NH 153.

2. Provisions:

- 2.1. It is reported by the State PWD that all the existing culverts are either in damaged condition or clogged and are not in a functional condition. It is, therefore, proposed to re-construction 26 RCC slab culverts. This is acceptable.
- 2.2. Although, the locations of the existing/proposed culverts have not been shown on the detailed alignment plan/longitudinal profile, the same have been indicated in a statement enclosed with the estimate. This is agree to tentatively in view of para 1 of the State PWD letter No. CEAP(E)/WTC-10(MOST-NH)/2003-04/1036-38 dated 15th July, 2004.
- 2.3. State PWD have proposed RCC culverts having span from 1.0m to 4m. Though this provisions have not been supported with the requisite details including hydraulic particulars, the same is being retained for purpose of the estimate in view of para 3 and 4 of the State PWDs letter No. CEAP(EZ)/ETC-10(MOST-NH)/04-05/1214-16 dated 27th July, 2004. However, the actual locations/type/size of the culverts may be finalised in consultation with R.O., Guwahati before taking up the work.
- 2.4. It may be ensured that the top level of the culverts is kept keeping in view the road level at these locations so that there is no formation of hump or dip.
- 2.5. The design of filter media to be filled behind retaining wall of abutment/wing walls of the culverts shall be inconformity with clause 710.1.4 of IRC:78-2000.
- 2.6. The working drawing for each culverts may be prepared keeping in view the guidelines as per IRC SP:13-2004 by suitable modifying the same for 10m overall width of culvert and approved by the Chief Engineer, PWD at his end before putting

up the work to tender. However, the provisions as made in the estimate has been retained for the purpose of estimate.

- 2.7. The work shall be carried out strictly in accordance with IRC:13-2002, IRC:SP:48-1998, Ministry's "Specifications for Road and Bridge Works" (4th Revision – August, 2001) and instruction issued by this Ministry from time to time. Deviation in specifications for any work should be got approved from the Ministry before adopting the same.

3. Rates and Lead:

- 3.1. The estimate is based on SOR 2004 applicable for NH works in the State of Arunachal Pradesh, applicable from April 1, 2004.
- 3.2. A lead in the range of 20-25 Kms has been considered for procurement of various items in the estimate. This is being allowed for the estimate purpose. However, while calling for tender, the source for procurement of materials may not be indicated. It shall be the responsibility of the contractor to collect the materials conforming to Ministry's specifications. However, no extra lead will be allowed during the execution of works.

4. Cost of work:

The estimate in the light of the above comments and making arithmetic correction wherever needed works out to Rs. 244.56 lakh including agency charges @9%.

5. Targets for the work:

The following physical and financial cumulative targets may be achieved depending upon availability of funds:-

Year	Physical Phasing (%)	Financial progress (Rs. Lakh)
2004-2005	25	30.00
2005-2006	60	150.00
2006-2007	100	244.56

6. TENDER:

- 6.1. Tender shall be invited and accepted strictly as per Ministry's guidelines as detained in the Ministry's circular No. RW/NH/11026/2/99 US(D.I) dated 13.1.2000 & RW/NH/11024/3/99 US (D.I) dated 9.3.2001.
- 6.2. The work shall be awarded, as per guidelines issued vide letter No. NH-15015/29/2001-PL dated 5.7.2001 and circular No. NH-12037/49/01/NER/NH-10 dated 16.7.2001.
- 6.3. In accordance with the order contained in the Ministry's circular letter No. RW/NH 11026/2/99-US (P) dated 13.1.2000, if the cost of the tender exceeds 5% of the sanctioned cost, the work shall be got de sanctioned and fresh estimate be got sanctioned from the Ministry.
- 6.4. The State PWD will intimate this Ministry and Ministry's Regional Officer at Guwahati about award of contact/commencement of work immediately as per instructions contained in this Ministry Letter No. RW/NH-11060/1/98-(DO-I) dated 5.11.1998.

7. GENERAL INSTRUCTIONS:

- 7.1. No work beyond the scope of the sanctioned estimate leading either to increase in the scope of the work or change in specifications should be undertaken without obtaining prior written approval of the Ministry. In this connection this Ministry's letter No. RW/NHIII/Coord/32/84 dated 19.5.84 refers.
- 7.2. Provision for quality control @1% has been allowed. The work is to be carried out in accordance with the "Hand Book of Quality Control for construction of Roads and Runway (Second Revision) – IRC SP:11 - 1988", observing strict quality control instructions contained in Ministry's letter No. NHIII/P/I/83 dated 19.4.84 and permanent records maintained thereof.
- 7.3. Central Government machinery if available in the area shall be used in the work as spelt out in this Ministry's letter No. RW-14(1)/83-RMP dated 7.6.1988. In case of non availability of the Central Government machinery in the area, the work will be allotted to such contractors only who possess the required machinery or produces proof of procuring or hiring the same to the satisfaction of the Chief Engineer.
- 7.4. Neither the work nor any item of work shall be split into small parts for awarding the work to a number of contractors. In case of any splitting is essential due to the specific prevailing conditions, it should be done only after prior approval of this Ministry. In this regard instructions issued in the Ministry's letter No. NHIII/P/75/78 dated 4.8.84 refers.
- 7.5. Bitumen used for the work shall be heated in boilers only not on open fire. Spraying of bitumen whenever necessary should be done only with the mechanical sprayers and premixing of bitumen and stone aggregates should be done only in the proper mechanical mixer/hot mix plant and Paver-finisher conforming to Ministry's specifications.
- 7.6. The selection of grade of bitumen to be used for the work shall be as per guidelines issued vide Ministry's circular No. RW/NH-33044/3/98-S&R dated 04.11.1999. No bitumen should be used which is having a softening point of less than 45⁰ Celsius as per Ministry's direction issued vide letter No. RW/NH-35074/7/2001-S&R dated 3.4.2001.
- 7.7. Collection of material on the roadside should be so planned that it commensurate with the physical progress of work and the collected material should not cause any hindrance to the traffic.
- 7.8. During the course of execution of work, traffic may be regulated in accordance with the guidelines contained in Ministry's letter No. RW/NH/33038/1/87-NH-Std. dated 7-10-87. The display boards on the development activities of the work shall be made as per guidelines vide Ministry's letter No. RW/NH-33044/10/2000-S&R dated 17.7.2001.



(Sanjay Garg)
Executive Engineer,
for Director General (Road Development) & Special Secretary